

L Number	Hits	Search Text	DB	Time stamp
5	7032	(maleic adj anhydride) same (benefet increase improve conventional enhanced enhance)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/19 12:17
6	387869	5and (photoresist resist)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/19 12:18
7	727	((maleic adj anhydride) same (benefet increase improve conventional enhanced enhance)) and (photoresist resist)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/19 12:18
8	608	((maleic adj anhydride) same (benefet increase improve conventional enhanced enhance)) and (photoresist resist)	USPAT	2003/03/19 12:50
9	2	("20020076641").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/19 13:09
10	0	(hydroxy adj alkylacrylate) same (hydroxystyrene (hydroxy adj styrene))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/19 13:12
11	17	(hydroxyethylacrylate) same (hydroxystyrene (hydroxy adj styrene))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/19 13:51
12	6	(("5863996") or ("6368768") or ("6316165")).PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/19 13:53
13	2	("6147249").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/19 14:00
14	0	wo-0001752-\$.did.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/19 14:00
15	0	wo-00001752-\$.did.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/19 14:00
16	0	wo-1752-\$.did.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/19 14:01
17	2	jp-05024951-\$.did.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/19 14:09
18	42	(phenanthryl phenanthracenyl anthryl anthracenyl anthracene napthalene napthyl napthalyl) near (methacrylate acrylate)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/19 14:24
19	17	((phenanthryl phenanthracenyl anthryl anthracenyl anthracene napthalene napthyl napthalyl) near (methacrylate acrylate)) and (photoresist resist) and (\$5acid near generat\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/19 14:41
20	0	pyrenyl near (methacrylate acrylate)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/19 14:50
21	1530	pyrenyl	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/19 14:44

22	0	pyrene near (methacrylate acrylate)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/19 14:52
23	186	pyrene same (methacrylate acrylate)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/19 14:57
24	0	prenylmethyl adj methacrylate	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/19 14:57
25	0	1-prenylmethyl adj methacrylate	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/19 14:57
26	1	1-prenylmethyl adj methacrylate	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/19 14:59
27	3	1-prenylmethyl adj acrylate	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/19 15:00
28	4	1-prenyl\$6thyl adj acrylate	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/19 16:11
29	32	(\$5acid near generat\$3) same (electron adj (donor acceptor))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/19 16:18
30	1844	((maleic adj anhydride) (hydroxystyrene)) same (elastomer)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/19 16:21
31	196	((para-toluenesulfonic adj acid) (toluene adj sulfonic adj acid) (toluenesulfonic adj acid)) same (\$5acid near generat\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/19 16:59
32	0	(ditert-butyl adj phenyl adj iodonium adj camphorsulfonate) same (\$5acid near generator)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/19 17:28
33	6	powderlink same (base)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/19 17:33
34	0	glycouril same (organic adj base)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/19 17:35
35	5	glycouril same (base)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/19 17:53
36	2	(("5876900") or ("6045970")).PN.	USPAT	2003/03/19 17:59
37	1	("5405720").PN.	USPAT	2003/03/19 18:02
38	1398	(organic adj base) and (photoresist resist)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/19 18:02
39	1150	(organic adj base) and (photoresist resist)	USPAT	2003/03/19 18:03
40	628	((organic adj base) and (photoresist resist)) and (triethylamine triethanolamine triisobutylamine triisodecylamine)	USPAT	2003/03/19 18:17
41	77	((organic adj base) and (photoresist resist)) and (triethylamine triethanolamine triisobutylamine triisodecylamine) and (antireflective ARC anti-reflective)	USPAT	2003/03/19 18:19

	24	((("6319650") or ("6316159") or ("6309790") or ("6280898") or ("6265133") or ("6225019") or ("61711754") or ("6156481") or ("6287746") or ("6077644") or ("6074801") or ("6312867") or ("6280897")).PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/18 16:47
	11	((("6147249") or ("5206104") or ("5178982") or ("5116710") or ("5110701") or ("5206104") or ("5178982")).PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/18 16:52
	35	((("6319650") or ("6316159") or ("6309790") or ("6280898") or ("6265133") or ("6225019") or ("61711754") or ("6156481") or ("6287746") or ("6077644") or ("6074801") or ("6312867") or ("6280897")).PN.) or (((("6147249") or ("5206104") or ("5178982") or ("5116710") or ("5110701") or ("5206104") or ("5178982")).PN.)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/19 09:48
	1	\$phenanthryl\$ near (methacrylate acrylate)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/19 09:47
	42	(phenanthryl phenanthracenyl anthryl anthracenyl anthracene naphthalene napthyl napthalyl) near (methacrylate acrylate)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/19 14:22
	0	(\$phenanthryl\$ near (methacrylate acrylate)) and ((phenanthryl phenanthracenyl anthryl anthracenyl anthracene naphthalene napthyl napthalyl) near (methacrylate acrylate))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/19 09:48
	43	(\$phenanthryl\$ near (methacrylate acrylate)) or ((phenanthryl phenanthracenyl anthryl anthracenyl anthracene naphthalene napthyl napthalyl) near (methacrylate acrylate))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/19 09:48
	35	((("6319650") or ("6316159") or ("6309790") or ("6280898") or ("6265133") or ("6225019") or ("61711754") or ("6156481") or ("6287746") or ("6077644") or ("6074801") or ("6312867") or ("6280897")).PN.) or (((("6147249") or ("5206104") or ("5178982") or ("5116710") or ("5110701") or ("5206104") or ("5178982")).PN.)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/19 09:49
	43	(((\$phenanthryl\$ near (methacrylate acrylate)) or ((phenanthryl phenanthracenyl anthryl anthracenyl anthracene naphthalene napthyl napthalyl) near (methacrylate acrylate))) not (((("6319650") or ("6316159") or ("6309790") or ("6280898") or ("6265133") or ("6225019") or ("61711754") or ("6156481") or ("6287746") or ("6077644") or ("6074801") or ("6312867") or ("6280897")).PN.) or (((("6147249") or ("5206104") or ("5178982") or ("5116710") or ("5110701") or ("5206104") or ("5178982")).PN.)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/19 10:21
	16	(naphthalene\$6thyl anthracene\$6thyl) adj (\$4acrylate)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/19 10:25
	570	CHOI-SANG-J CHOI-SANG-JIN CHOI-SANG-JOON CHOI-SANG-JUN KANG-Y KANG-YOOL KANG-YOON KANG-YOON-M KANG-YOON-SEOK KANG-YOON-SOP KANG-YOON-W KANG-YOON-WON KANG-YOUL	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/19 10:24

-	15	((naphthalene\$6thyl anthracene\$6thyl) adj (\$4acrylate)) not (((phenanthryl phenanthracenyl anthryl anthracenyl anthracene naphthalene napthyl napthalyl) near (methacrylate acrylate)) (((\$phenanthryl\$ near (methacrylate acrylate)) or ((phenanthryl phenanthracenyl anthryl anthracenyl anthracene naphthalene napthyl napthalyl) near (methacrylate acrylate))) (((("6319650") or ("6316159") or ("6309790") or ("6280898") or ("6265133") or ("6225019") or ("61711754") or ("6156481") or ("6287746") or ("6077644") or ("6074801") or ("6312867") or ("6280897")).PN.) or (((("6147249") or ("5206104") or ("5178982") or ("5116710") or ("5110701") or ("5206104") or ("5178982")).PN.)) ((((\$phenanthryl\$ near (methacrylate acrylate)) or ((phenanthryl phenanthracenyl anthryl anthracenyl anthracene naphthalene napthyl napthalyl) near (methacrylate acrylate))) not (((("6319650") or ("6316159") or ("6309790") or ("6280898") or ("6265133") or ("6225019") or ("61711754") or ("6156481") or ("6287746") or ("6077644") or ("6074801") or ("6312867") or ("6280897")).PN.) or (((("6147249") or ("5206104") or ("5178982") or ("5116710") or ("5110701") or ("5206104") or ("5178982")).PN.))))	USPAT; US-PPGPUB; EPO; JPO; DERWENT	2003/03/19 10:53
-	347	hydroxystyrene same (benefet increase improve conventional enhanced enhance)	USPAT; US-PPGPUB; EPO; JPO; DERWENT	2003/03/19 12:17
-	236	(hydroxystyrene same (benefet increase improve conventional enhanced enhance)) and (photoresist resist)	USPAT; US-PPGPUB; EPO; JPO; DERWENT	2003/03/19 12:18

CAS Search Do Not Remove

L1 SCREEN CREATED

=>
Uploading C:\Program Files\Stnexp\Queries\09888912-3.str

L2 STRUCTURE UPLOADED

=> que L2 AND L1

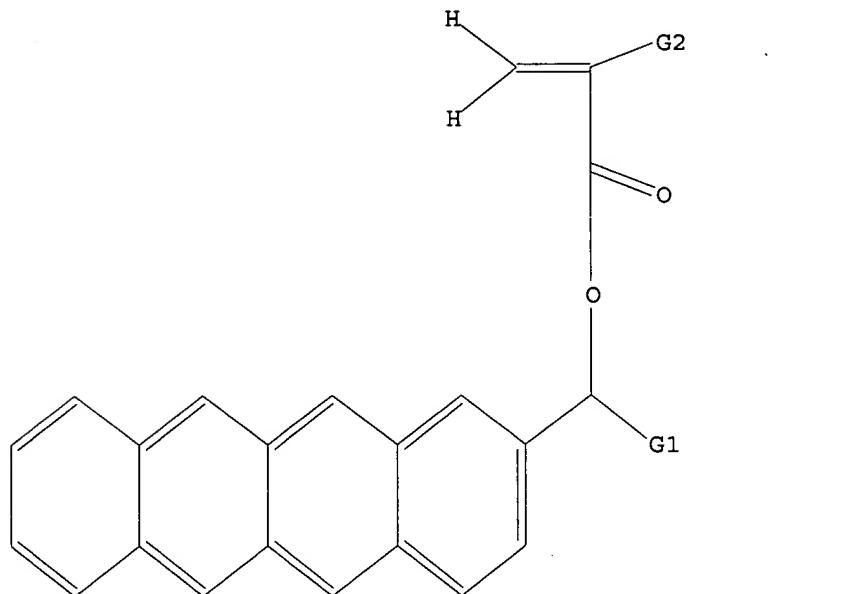
L3 QUE L2 AND L1

=> d

L3 HAS NO ANSWERS

L1 SCR 970 AND 2067

L2 STR



G1 H, [@1]

G2 H, Me

Structure attributes must be viewed using STN Express query preparation.

L3 QUE ABB=ON PLU=ON L2 AND L1

=>Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END) :end

=> screen 970 AND 2067

L4 SCREEN CREATED

=>
Uploading C:\Program Files\Stnexp\Queries\09888912-2.str

L5 STRUCTURE UPLOADED

=> que L5 AND L4

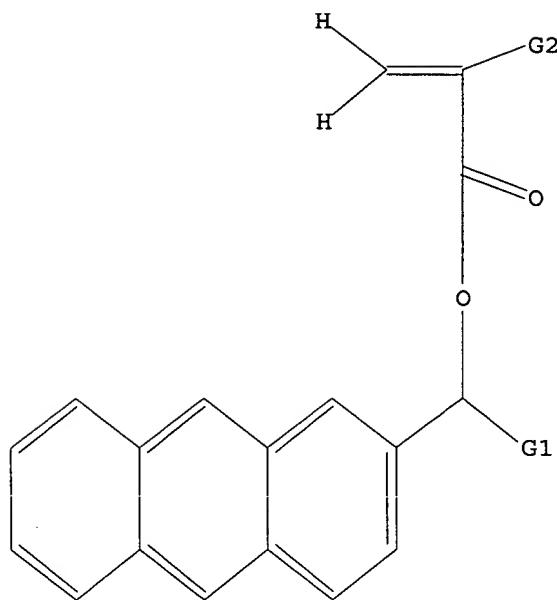
L6 QUE L5 AND L4

=> d

L6 HAS NO ANSWERS

L4 SCR 970 AND 2067

L5 STR



$\gamma = 2$

¹
Ak

G1 H, [@1]

G2 H, Me

Structure attributes must be viewed using STN Express query preparation.

L6 QUE ABB=ON PLU=ON L5 AND L4

=>Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

=> screen 970 AND 2067

L7 SCREEN CREATED

=>

Uploading C:\Program Files\Stnexp\Queries\0988912.str

L8 STRUCTURE UPLOADED

=> que L8 AND L7

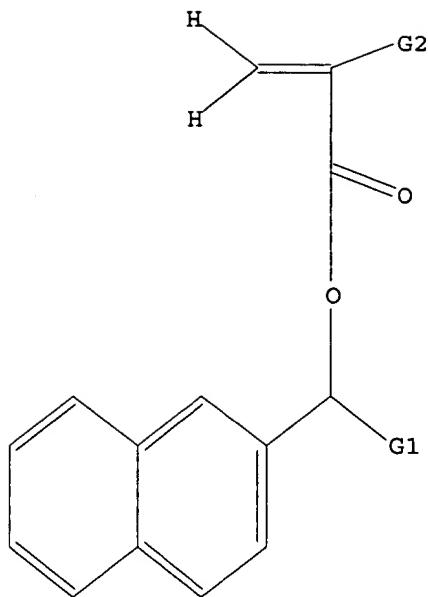
L9 QUE L8 AND L7

=> d

L9 HAS NO ANSWERS

L7 SCR 970 AND 2067

L8 STR



$\gamma = 1$

1
Ak

G1 H, [@1]

G2 H, Me

Structure attributes must be viewed using STN Express query preparation.
L9 QUE ABB=ON PLU=ON L8 AND L7

=> s (13 or 16 or 19) sss sam

L3. MAY NOT BE USED HERE

The L-number entered was not created by a STRUCTURE or SCREEN command.

=> s 13 sss sam

SAMPLE SEARCH INITIATED 13:45:00 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 0 TO ITERATE

100.0% PROCESSED 0 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
 BATCH **COMPLETE**

PROJECTED ITERATIONS: 0 TO 0

PROJECTED ANSWERS: 0 TO 0

L10 0 SEA SSS SAM L2 AND L1

=> s 16 sss sam

SAMPLE SEARCH INITIATED 13:45:10 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 16 TO ITERATE

100.0% PROCESSED 16 ITERATIONS 2 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
 BATCH **COMPLETE**

PROJECTED ITERATIONS: 80 TO 560

PROJECTED ANSWERS: 2 TO 124

L11 2 SEA SSS SAM L5 AND L4

=> s 13 sss sam

SAMPLE SEARCH INITIATED 13:45:16 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 0 TO ITERATE

100.0% PROCESSED 0 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 0 TO 0
PROJECTED ANSWERS: 0 TO 0

L12 0 SEA SSS SAM L2 AND L1

=> s 19 sss sam
SAMPLE SEARCH INITIATED 13:45:24 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 31 TO ITERATE

100.0% PROCESSED 31 ITERATIONS 12 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 286 TO 954
PROJECTED ANSWERS: 33 TO 447

L13 12 SEA SSS SAM L8 AND L7

=> d his

(FILE 'HOME' ENTERED AT 13:43:29 ON 19 MAR 2003)

FILE 'REGISTRY' ENTERED AT 13:43:34 ON 19 MAR 2003

L1 SCREEN 970 AND 2067
L2 STRUCTURE UPLOADED
L3 QUE L2 AND L1
L4 SCREEN 970 AND 2067
L5 STRUCTURE UPLOADED
L6 QUE L5 AND L4
L7 SCREEN 970 AND 2067
L8 STRUCTURE UPLOADED
L9 QUE L8 AND L7
L10 0 S L3 SSS SAM
L11 2 S L6 SSS SAM
L12 0 S L3 SSS SAM
L13 12 S L9 SSS SAM

=> FIL CAPLUS HCAPLUS USPATFUL
COST IN U.S. DOLLARS SINCE FILE TOTAL
ENTRY SESSION
FULL ESTIMATED COST 1.20 1.41

FILE 'CAPLUS' ENTERED AT 13:45:34 ON 19 MAR 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
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FILE 'HCAPLUS' ENTERED AT 13:45:34 ON 19 MAR 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
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FILE 'USPATFULL' ENTERED AT 13:45:34 ON 19 MAR 2003
CA INDEXING COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

=> file reg			
COST IN U.S. DOLLARS		SINCE FILE	TOTAL
		ENTRY	SESSION
FULL ESTIMATED COST		3.94	5.35

FILE 'REGISTRY' ENTERED AT 13:45:49 ON 19 MAR 2003
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 provided by InfoChem.

STRUCTURE FILE UPDATES: 18 MAR 2003 HIGHEST RN 499968-86-4
 DICTIONARY FILE UPDATES: 18 MAR 2003 HIGHEST RN 499968-86-4

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

Please note that search-term pricing does apply when
 conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> 108-31-6/crn
 108-31-6 IS NOT A RECOGNIZED COMMAND
 The previous command name entered was not recognized by the system.
 For a list of commands available to you in the current file, enter
 "HELP COMMANDS" at an arrow prompt (>).

=> s 108-31-6/crn
 L14 21906 108-31-6/CRN

Maleic anhydride

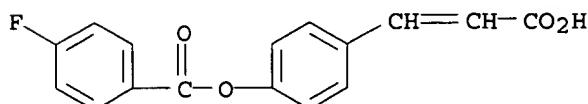
=> s polyhydroxystyrene
 L15 4 POLYHYDROXYSTYRENE

=> d 115

L15 ANSWER 1 OF 4 REGISTRY COPYRIGHT 2003 ACS
 RN 320714-61-2 REGISTRY
 CN Phenol, ethenyl-, homopolymer, 3-[4-[(4-fluorobenzoyl)oxy]phenyl]-2-propenoate (9CI) (CA INDEX NAME)
 OTHER NAMES:
 CN Polyhydroxystyrene p-(p-fluorobenzoyloxy)cinnamate
 MF C16 H11 F O4 . x (C8 H8 O)x
 PCT Polystyrene
 SR CA
 LC STN Files: CA, CAPLUS, USPATFULL

CM 1

CRN 259093-69-1
 CMF C16 H11 F O4



CM 2

CRN 59269-51-1
CMF (C8 H8 O)x
CCI PMS

CM 3

CRN 31257-96-2
CMF C8 H8 O
CCI IDS



D1—OH

D1—CH=CH₂

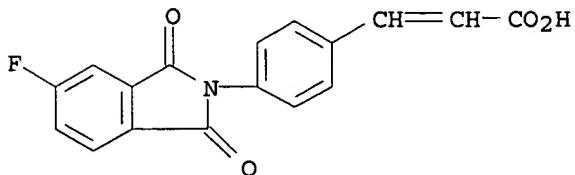
1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

=> d 2

L15 ANSWER 2 OF 4 REGISTRY COPYRIGHT 2003 ACS
RN 320714-60-1 REGISTRY
CN Phenol, ethenyl-, homopolymer, 3-[4-(5-fluoro-1,3-dihydro-1,3-dioxo-2H-isoindol-2-yl)phenyl]-2-propenoate (9CI) (CA INDEX NAME)
OTHER NAMES:
CN Polyhydroxystyrene p-(p-fluorophthalimido)cinnamate
MF C₁₇ H₁₀ F N O₄ . x (C₈ H₈ O)x
PCT Polystyrene
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

CM 1

CRN 320714-59-8
CMF C₁₇ H₁₀ F N O₄



CM 2

CRN 59269-51-1
CMF (C₈ H₈ O)x
CCI PMS

CM 3

CRN 31257-96-2
CMF C8 H8 O
CCI IDS



D1-- OH

D1-- CH=CH2

1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

=> d3

D3 IS NOT A RECOGNIZED COMMAND

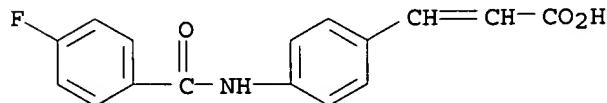
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

=> d 3

L15 ANSWER 3 OF 4 REGISTRY COPYRIGHT 2003 ACS
RN 320714-57-6 REGISTRY
CN Phenol, ethenyl-, homopolymer, 3-[4-[(4-fluorobenzoyl)amino]phenyl]-2-propenoate (9CI) (CA INDEX NAME)
OTHER NAMES:
CN Polyhydroxystyrene p-(p-fluorobenzoylamino)cinnamate
MF C16 H12 F N O3 . x (C8 H8 O)x
PCT Polystyrene
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

CM 1

CRN 320714-56-5
CMF C16 H12 F N O3



CM 2

CRN 59269-51-1
CMF (C8 H8 O)x
CCI PMS

CM 3

CRN 31257-96-2
CMF C8 H8 O
CCI IDS



D1-OH

D1-CH=CH₂

1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

=> FILE REG

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	10.06	15.41

FILE 'REGISTRY' ENTERED AT 13:47:00 ON 19 MAR 2003
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provided by InfoChem.

STRUCTURE FILE UPDATES: 18 MAR 2003 HIGHEST RN 499968-86-4
DICTIONARY FILE UPDATES: 18 MAR 2003 HIGHEST RN 499968-86-4

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> STR 31257-96-2

31257-96-2 MAY NOT BE USED AS A MODEL
Structures which were created via the STRUCTURE command or are in the Fragment File may be used as models in the STRUCTURE command. Most, but not all, substance Accession Numbers can also be used.
ENTER NAME OF STRUCTURE TO BE RECALLED (NONE):END

=>
THIS FEATURE IS NOT AVAILABLE FOR THE SELECTED CAS RN

```
=> ....Testing the current file.... screen
ENTER SCREEN EXPRESSION OR (END) :end

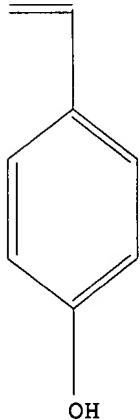
=> screen 2067
L16      SCREEN CREATED

=>
Uploading C:\Program Files\Stnexp\Queries\hydroxystyrene.str
L17      STRUCTURE UPLOADED

=> que L17 AND L16

L18  QUE L17 AND L16

=> d
L18 HAS NO ANSWERS
L16          SCR 2067
L17          STR
```



hydroxystyrene

```
Structure attributes must be viewed using STN Express query preparation.
L18          QUE ABB=ON  PLU=ON  L17 AND L16
```

```
=> s l18
SAMPLE SEARCH INITIATED 13:48:16 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 1124 TO ITERATE

89.0% PROCESSED    1000 ITERATIONS                      50 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:    20469 TO    24491
PROJECTED ANSWERS:       2732 TO     4326

L19          50 SEA SSS SAM L17 AND L16

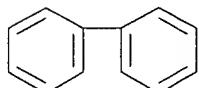
=> d

L19  ANSWER 1 OF 50  REGISTRY  COPYRIGHT 2003 ACS
```

RN 482278-44-4 REGISTRY
CN 2-Propen-1-one, 1,3-bis(4-hydroxyphenyl)-, polymer with
ar,ar'-diisocyanato-1,1'-biphenyl and 1,6-hexanediol (9CI) (CA INDEX
NAME)
MF (C15 H12 O3 . C14 H8 N2 O2 . C6 H14 O2)x
CI PMS
PCT Polyketone, Polystyrene, Polyurethane, Polyurethane formed, Polyvinyl
SR CA
LC STN Files: CA, CAPLUS

CM 1

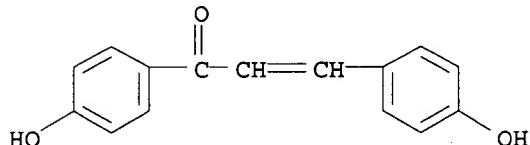
CRN 51801-31-1
CMF C14 H8 N2 O2
CCI IDS



2 (D1—NCO)

CM 2

CRN 3600-61-1
CMF C15 H12 O3



CM 3

CRN 629-11-8
CMF C6 H14 O2

HO—(CH₂)₆—OH

1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

=> d his

(FILE 'HOME' ENTERED AT 13:43:29 ON 19 MAR 2003)

FILE 'REGISTRY' ENTERED AT 13:43:34 ON 19 MAR 2003

L1 SCREEN 970 AND 2067
L2 STRUCTURE UPLOADED
L3 QUE L2 AND L1
L4 SCREEN 970 AND 2067

L5 STRUCTURE UPLOADED
L6 QUE L5 AND L4
L7 SCREEN 970 AND 2067
L8 STRUCTURE UPLOADED
L9 QUE L8 AND L7
L10 0 S L3 SSS SAM
L11 2 S L6 SSS SAM
L12 0 S L3 SSS SAM
L13 12 S L9 SSS SAM

FILE 'CAPLUS, HCAPLUS, USPATFULL' ENTERED AT 13:45:34 ON 19 MAR 2003

FILE 'REGISTRY' ENTERED AT 13:45:49 ON 19 MAR 2003

L14 21906 S 108-31-6/CRN
L15 4 S POLYHYDROXYSTYRENE

FILE 'REGISTRY' ENTERED AT 13:47:00 ON 19 MAR 2003

L16 SCREEN 2067
L17 STRUCTURE UPLOADED
L18 QUE L17 AND L16
L19 50 S L18

=> FIL CAPLUS HCAPLUS USPATFUL
COST IN U.S. DOLLARS SINCE FILE TOTAL
ENTRY SESSION
FULL ESTIMATED COST 2.88 18.29

FILE 'CAPLUS' ENTERED AT 13:48:37 ON 19 MAR 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
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FILE 'USPATFULL' ENTERED AT 13:48:37 ON 19 MAR 2003
CA INDEXING COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

=> s (l11 or l12 or l13)
L20 62 (L11 OR L12 OR L13)

=> s l19
L21 139 L19

=> s l14
2 FILES SEARCHED...
L22 67574 L14

=>

=> s (L21 OR L22) AND L20
L23 0 (L21 OR L22) AND L20

=> DUPLICATES
ENTER REMOVE, IDENTIFY, ONLY, OR (?) : REMOVE
ENTER L# LIST OR (END) : L20
DUPLICATE PREFERENCE IS 'CAPLUS, HCAPLUS, USPATFULL'
KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N) : N
PROCESSING COMPLETED FOR L20
L24 33 DUPLICATE REMOVE L20 (29 DUPLICATES REMOVED)

=> D L24 IBIB HITSTR

L24 ANSWER 1 OF 33 CAPLUS COPYRIGHT 2003 ACS

DUPLICATE 1

ACCESSION NUMBER: 2002:739811 CAPLUS

DOCUMENT NUMBER: 138:56589

TITLE: Photophysical and aqueous solution properties of thermosensitive anionic potassium-3-sulfopropylmethacrylate/N-isopropylacrylamide/1-pyrenemethylmethacrylate terpolymer

AUTHOR(S): Liaw, Der-Jang; Huang, Ching-Cheng; Wang, Tze-Shyuan

CORPORATE SOURCE: Department of Chemical Engineering, National Taiwan University of Science and Technology, Taichung, 106, Taiwan

SOURCE: Polymer (2002), 43(23), 6221-6229

CODEN: POLMAG; ISSN: 0032-3861

PUBLISHER: Elsevier Science Ltd.

DOCUMENT TYPE: Journal

LANGUAGE: English

IT 479625-43-9, N-Isopropylacrylamide-potassium 3-sulfopropyl methacrylate-1-pyrenemethyl methacrylate copolymer

RL: PRP (Properties)
(photophys. and aq. soln. properties of thermosensitive anionic acrylic polymer)

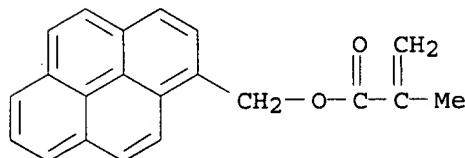
RN 479625-43-9 CAPLUS

CN 2-Propenoic acid, 2-methyl-, 1-pyrenemethyl ester, polymer with N-(1-methylethyl)-2-propenamide and 3-sulfopropyl 2-methyl-2-propenoate potassium salt (9CI) (CA INDEX NAME)

CM 1

CRN 86112-79-0

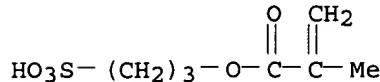
CMF C21 H16 O2



CM 2

CRN 31098-21-2

CMF C7 H12 O5 S . K

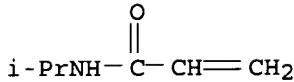


● K

CM 3

CRN 2210-25-5

CMF C6 H11 N O



REFERENCE COUNT: 36 THERE ARE 36 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d his

(FILE 'HOME' ENTERED AT 13:43:29 ON 19 MAR 2003)

FILE 'REGISTRY' ENTERED AT 13:43:34 ON 19 MAR 2003

L1 SCREEN 970 AND 2067
 L2 STRUCTURE UPLOADED
 L3 QUE L2 AND L1
 L4 SCREEN 970 AND 2067
 L5 STRUCTURE UPLOADED
 L6 QUE L5 AND L4
 L7 SCREEN 970 AND 2067
 L8 STRUCTURE UPLOADED
 L9 QUE L8 AND L7
 L10 0 S L3 SSS SAM
 L11 2 S L6 SSS SAM
 L12 0 S L3 SSS SAM
 L13 12 S L9 SSS SAM

FILE 'CAPLUS, HCAPLUS, USPATFULL' ENTERED AT 13:45:34 ON 19 MAR 2003

FILE 'REGISTRY' ENTERED AT 13:45:49 ON 19 MAR 2003

L14 21906 S 108-31-6/CRN
 L15 4 S POLYHYDROXYSTYRENE

FILE 'REGISTRY' ENTERED AT 13:47:00 ON 19 MAR 2003

L16 SCREEN 2067
 L17 STRUCTURE UPLOADED
 L18 QUE L17 AND L16
 L19 50 S L18

FILE 'CAPLUS, HCAPLUS, USPATFULL' ENTERED AT 13:48:37 ON 19 MAR 2003

L20 62 S (L11 OR L12 OR L13)
 L21 139 S L19
 L22 67574 S L14
 L23 0 S (L21 OR L22) AND L20
 L24 33 DUPLICATE REMOVE L20 (29 DUPLICATES REMOVED)

=> D L24 1-33IBIB HITSTR

'1-33IBIB' IS NOT A VALID FORMAT

In a multifile environment, a format can only be used if it is valid in at least one of the files. Refer to file specific help messages or the STNGUIDE file for information on formats available in individual files.

REENTER DISPLAY FORMAT FOR ALL FILES (FILEDEFAULT) :

REENTER DISPLAY FORMAT FOR ALL FILES (FILEDEFAULT):DEFAULT

'DEFAULT' IS NOT A VALID FORMAT

In a multifile environment, a format can only be used if it is valid in at least one of the files. Refer to file specific help messages or the STNGUIDE file for information on formats available in individual files.

REENTER DISPLAY FORMAT FOR ALL FILES (FILEDEFAULT):EXUT

'EXUT' IS NOT A VALID FORMAT

In a multifile environment, a format can only be used if it is valid in at least one of the files. Refer to file specific help messages

or the STNGUIDE file for information on formats available in individual files.

REENTER DISPLAY FORMAT FOR ALL FILES (FILEDEFAULT):EXIT
'EXIT' IS NOT A VALID FORMAT

In a multifile environment, a format can only be used if it is valid in at least one of the files. Refer to file specific help messages or the STNGUIDE file for information on formats available in individual files.

REENTER DISPLAY FORMAT FOR ALL FILES (FILEDEFAULT):D L24 1-33 IBIB HITSTR
'D' IS NOT A VALID FORMAT
'L36' IS NOT A VALID FORMAT
'1-33' IS NOT A VALID FORMAT

In a multifile environment, a format can only be used if it is valid in at least one of the files. Refer to file specific help messages or the STNGUIDE file for information on formats available in individual files.

REENTER DISPLAY FORMAT FOR ALL FILES (FILEDEFAULT):IBIB

L24 ANSWER 1 OF 33 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 1
ACCESSION NUMBER: 2002:739811 CAPLUS
DOCUMENT NUMBER: 138:56589
TITLE: Photophysical and aqueous solution properties of thermosensitive anionic potassium-3-sulfopropylmethacrylate/N-isopropylacrylamide/1-pyrenemethylmethacrylate terpolymer
Liaw, Der-Jang; Huang, Ching-Cheng; Wang, Tze-Shyuan
Department of Chemical Engineering, National Taiwan University of Science and Technology, Taichung, 106, Taiwan
SOURCE: Polymer (2002), 43(23), 6221-6229
CODEN: POLMAG; ISSN: 0032-3861
PUBLISHER: Elsevier Science Ltd.
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 36 THERE ARE 36 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

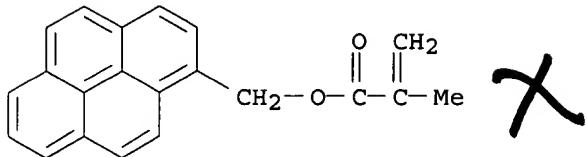
=> D L24 1-33 IBIB HITSTR

L24 ANSWER 1 OF 33 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 1
ACCESSION NUMBER: 2002:739811 CAPLUS
DOCUMENT NUMBER: 138:56589
TITLE: Photophysical and aqueous solution properties of thermosensitive anionic potassium-3-sulfopropylmethacrylate/N-isopropylacrylamide/1-pyrenemethylmethacrylate terpolymer
Liaw, Der-Jang; Huang, Ching-Cheng; Wang, Tze-Shyuan
Department of Chemical Engineering, National Taiwan University of Science and Technology, Taichung, 106, Taiwan
SOURCE: Polymer (2002), 43(23), 6221-6229
CODEN: POLMAG; ISSN: 0032-3861
PUBLISHER: Elsevier Science Ltd.
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 479625-43-9, N-Isopropylacrylamide-potassium 3-sulfopropyl methacrylate-1-pyrenemethyl methacrylate copolymer
RL: PRP (Properties)
(photophys. and aq. soln. properties of thermosensitive anionic acrylic polymer)
RN 479625-43-9 CAPLUS
CN 2-Propenoic acid, 2-methyl-, 1-pyrenemethyl ester, polymer with N-(1-methylethyl)-2-propenamide and 3-sulfopropyl 2-methyl-2-propenoate

potassium salt (9CI) (CA INDEX NAME)

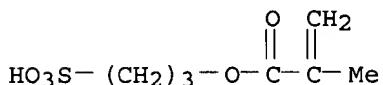
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CRN 86112-79-0
CMF C21 H16 O2



CM 2

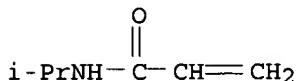
CRN 31098-21-2
CMF C7 H12 O5 S . K



● K

CM 3

CRN 2210-25-5
CMF C6 H11 N O



REFERENCE COUNT: 36 THERE ARE 36 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L24 ANSWER 2 OF 33 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 2
ACCESSION NUMBER: 2002:926323 CAPLUS
DOCUMENT NUMBER: 138:170738
TITLE: Sensing the glass transition in thin and ultrathin polymer films via fluorescence probes and labels
AUTHOR(S): Ellison, Christopher J.; Torkelson, John M.
CORPORATE SOURCE: Department of Chemical Engineering, Northwestern University, Evanston, IL, 60208, USA
SOURCE: Journal of Polymer Science, Part B: Polymer Physics (2002), 40(24), 2745-2758
CODEN: JPBPEM; ISSN: 0887-6266
PUBLISHER: John Wiley & Sons, Inc.
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 90216-53-8, 1-Pyrenylmethyl methacrylate-methyl methacrylate copolymer
RL: PRP (Properties)

(sensing glass transition in thin and ultrathin polymer films via
fluorescence probes and labels)

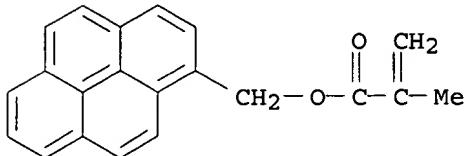
RN 90216-53-8 CAPLUS

CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with 1-pyrenylmethyl
2-methyl-2-propenoate (9CI) (CA INDEX NAME)

CM 1

CRN 86112-79-0

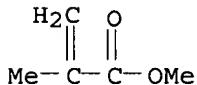
CMF C21 H16 O2



CM 2

CRN 80-62-6

CMF C5 H8 O2



REFERENCE COUNT: 63 THERE ARE 63 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L24 ANSWER 3 OF 33 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 3

ACCESSION NUMBER: 2001:664669 CAPLUS

DOCUMENT NUMBER: 135:373027

TITLE: Interdiffusion vs Cross-Linking Rates in
Isobutoxyacrylamide-Containing Latex Coatings

AUTHOR(S): Liu, Ronghua; Winnik, Mitchell A.; Di Stefano, Frank;
Vanketessan, Jai

CORPORATE SOURCE: Department of Chemistry, University of Toronto,
Toronto, ON, M5S 3H6, Can.

SOURCE: Macromolecules (2001), 34(21), 7306-7314
CODEN: MAMOBX; ISSN: 0024-9297

PUBLISHER: American Chemical Society

DOCUMENT TYPE: Journal

LANGUAGE: English

IT 373626-99-4

RL: PRP (Properties); RCT (Reactant); TEM (Technical or engineered
material use); RACT (Reactant or reagent); USES (Uses)
(interdiffusion vs. crosslinking rates in (isobutoxymethyl)acrylamide-
contg. Bu acrylate-Me methacrylate-based latex coatings)

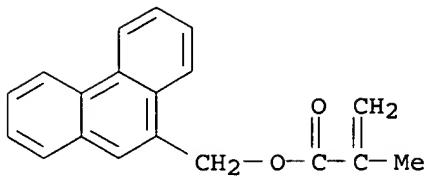
RN 373626-99-4 CAPLUS

CN 2-Propenoic acid, 2-methyl-, polymer with butyl 2-propenoate, methyl
2-methyl-2-propenoate, N-[(2-methylpropoxy)methyl]-2-propenamide and
9-phenanthrenylmethyl 2-methyl-2-propenoate (9CI) (CA INDEX NAME)

CM 1

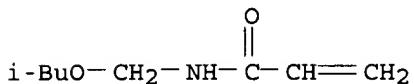
CRN 53223-82-8

CMF C19 H16 O2



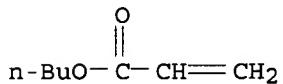
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CRN 16669-59-3
CMF C8 H15 N O2



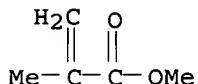
CM 3

CRN 141-32-2
CMF C7 H12 O2



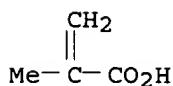
CM 4

CRN 80-62-6
CMF C5 H8 O2



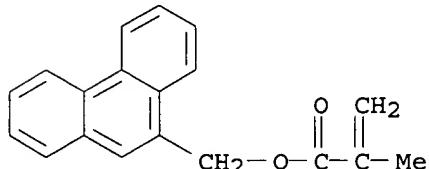
CM 5

CRN 79-41-4
CMF C4 H6 O2



REFERENCE COUNT: 29 THERE ARE 29 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

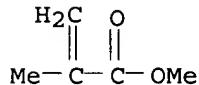
L24 ANSWER 4 OF 33 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 4
ACCESSION NUMBER: 1998:269811 CAPLUS
DOCUMENT NUMBER: 128:257896
TITLE: Triplet Energy Migration among Energetically



A black checkmark indicating a correct answer.

CM 2

CRN 80-62-6
CMF C5 H8 02



L24 ANSWER 5 OF 33 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 5
ACCESSION NUMBER: 1997:518789 CAPLUS
DOCUMENT NUMBER: 127:191376
TITLE: Triplet Energy Migration among Energetically Disordered Chromophores in Polymer Matrixes. 1. Monte Carlo Simulation for the Hopping of Triplet Excitons
AUTHOR(S): Hisada, Kenji; Ito, Shinzaburo; Yamamoto, Masahide
CORPORATE SOURCE: Department of Polymer Chemistry Graduate School of Engineering, Kyoto University, Kyoto, 606-01, Japan
SOURCE: Journal of Physical Chemistry B (1997), 101(35), 6827-6833
CODEN: JPCBFK; ISSN: 1089-5647
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 81565-44-8, Methyl methacrylate-9-phenanthrylmethyl methacrylate copolymer
RL: PEP (Physical, engineering or chemical process); PRP (Properties);

PROC (Process)

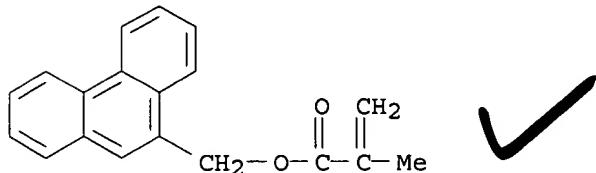
(Monte Carlo simulation for hopping of triplet excitons among energetically disordered chromophores in polymer matrixes)

RN 81565-44-8 CAPLUS

CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with 9-phenanthrenylmethyl 2-methyl-2-propenoate (9CI) (CA INDEX NAME)

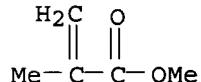
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CMF C19 H16 O2



CM 2

CRN 80-62-6
CMF C5 H8 O2

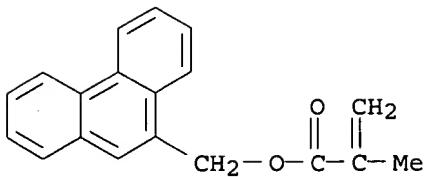


L24 ANSWER 6 OF 33 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 6
ACCESSION NUMBER: 1996:336516 CAPLUS
DOCUMENT NUMBER: 125:12204
TITLE: Internal Structure of Core-Shell Latex Particles
Studied by Fluorescence Nonradiative Energy Transfer
AUTHOR(S): Perez, Elias; Lang, Jacques
CORPORATE SOURCE: Institut Charles Sadron (CRM-EAHP), CNRS-ULP
Strasbourg, Strasbourg, 67083, Fr.
SOURCE: Langmuir (1996), 12(13), 3180-3187
CODEN: LANGD5; ISSN: 0743-7463
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 81565-44-8P, Methyl methacrylate-(9-phenanthryl)methyl
methacrylate copolymer
RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
(homogeneous; internal structure of labeled Me methacrylate-Bu
methacrylate copolymer core-shell particles studied by fluorescence
nonradiative energy transfer)

RN 81565-44-8 CAPLUS
CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with 9-phenanthrenylmethyl 2-methyl-2-propenoate (9CI) (CA INDEX NAME)

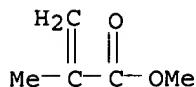
CM 1

CRN 53223-82-8
CMF C19 H16 O2



CM 2

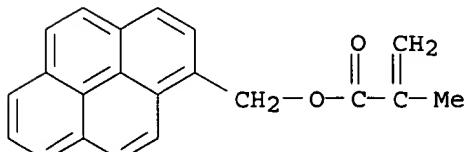
CRN 80-62-6
CMF C5 H8 O2



L24 ANSWER 7 OF 33 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 7
 ACCESSION NUMBER: 1995:212960 CAPLUS
 DOCUMENT NUMBER: 122:162098
 TITLE: Thermoreversible Gelation of Solutions of Syndiotactic Poly(methyl methacrylate) in Toluene: a Two-Step Mechanism
 AUTHOR(S): Berghmans, M.; Thijs, S.; Cornette, M.; Berghmans, H.; De Schryver, F. C.; Moldenaers, P.; Mewis, J.
 CORPORATE SOURCE: Department of Chemistry, Katholieke Universiteit Leuven, Louvain, B-3001, Belg.
 SOURCE: Macromolecules (1994), 27(26), 7669-76
 CODEN: MAMOBX; ISSN: 0024-9297
 PUBLISHER: American Chemical Society
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 IT 90216-53-8P
 RL: PEP (Physical, engineering or chemical process); PRP (Properties); SPN (Synthetic preparation); PREP (Preparation); PROC (Process)
 (two-step mechanism of thermoreversible gelation of atactic poly(Me methacrylate) soln.)
 RN 90216-53-8 CAPLUS
 CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with 1-pyrenylmethyl 2-methyl-2-propenoate (9CI) (CA INDEX NAME)

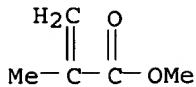
CM 1

CRN 86112-79-0
CMF C21 H16 O2

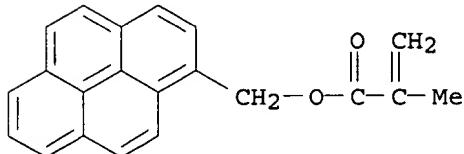


CM 2

CRN 80-62-6
CMF C5 H8 O2



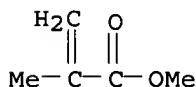
L24 ANSWER 8 OF 33 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 8
 ACCESSION NUMBER: 1994:606514 CAPLUS
 DOCUMENT NUMBER: 121:206514
 TITLE: Aggregation of pyrene in poly(alkyl methacrylate) films revealed by time-resolved total internal reflection fluorescence spectroscopy
 AUTHOR(S): Itaya, Akira; Matsumoto, Yasuo; Iou, Ippei; Masuhara, Hiroshi; De Schryver, Frans C.
 CORPORATE SOURCE: Department of Polymer Science and Engineering, Kyoto Institute of Technology, Matsugasaki, 606, Japan
 SOURCE: Polymer (1994), 35(18), 3920-6
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 IT 90216-53-8
 RL: PRP (Properties)
 (time-resolved total internal reflection fluorescence spectroscopic study of pyrene aggregation in films of)
 RN 90216-53-8 CAPLUS
 CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with 1-pyrenylmethyl 2-methyl-2-propenoate (9CI) (CA INDEX NAME)
 CM 1
 CRN 86112-79-0
 CMF C21 H16 O2



X branched?

CM 2

CRN 80-62-6
CMF C5 H8 O2



L24 ANSWER 9 OF 33 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 9
 ACCESSION NUMBER: 1994:410089 CAPLUS
 DOCUMENT NUMBER: 121:10089
 TITLE: Dye distribution in fluorescent-labeled latex prepared by emulsion polymerization
 AUTHOR(S): Sosnowski, Stanislaw; Feng, Jianrong; Winnik, Mitchell A.

CORPORATE SOURCE: Dep. Chem., Univ. Toronto, Toronto, ON, M5S 1A1, Can.
SOURCE: Journal of Polymer Science, Part A: Polymer Chemistry
(1994), 32(8), 1497-505
CODEN: JPACEC; ISSN: 0887-624X

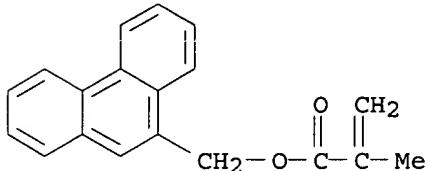
DOCUMENT TYPE: Journal
LANGUAGE: English

IT 81565-44-8P, Methyl methacrylate-9-phenanthrylmethyl methacrylate copolymer
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of, in emulsion, monomer distribution in relation to)

RN 81565-44-8 CAPLUS
CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with
9-phenanthrenylmethyl 2-methyl-2-propenoate (9CI) (CA INDEX NAME)

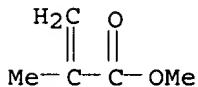
CM 1

CRN 53223-82-8
CMF C19 H16 O2



CM 2

CRN 80-62-6
CMF C5 H8 O2



L24 ANSWER 10 OF 33 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 10
ACCESSION NUMBER: 1993:562441 CAPLUS
DOCUMENT NUMBER: 119:162441
TITLE: Photochemical dimerization in hydrophilicity improvement of (in)organic articles
INVENTOR(S): Irie, Masahiro; Kishimoto, Soichiro
PATENT ASSIGNEE(S): Unitika Ltd, Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.
CODEN: JKXXAF

DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 05024951	A2	19930202	JP 1991-208592	19910724
PRIORITY APPLN. INPD.:			JP 1991-208592	19910724

IT 150048-73-0
RL: USES (Uses)

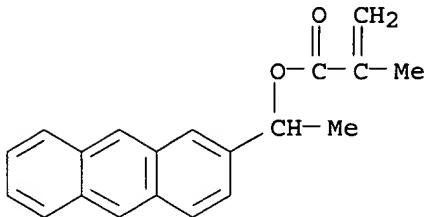
(plates, hydrophilic treatment for with UV irradn., in presence of hydrophilic group-contg. anthracenes)

RN 150048-73-0 CAPLUS

CN 2-Propenoic acid, 2-methyl-, 1-(2-anthracenyl)ethyl ester, polymer with ethenylbenzene (9CI) (CA INDEX NAME)

CM 1

CRN 54720-11-5
CMF C20 H18 O2



CM 2

CRN 100-42-5
CMF C8 H8

H₂C=CH-Ph



L24 ANSWER 11 OF 33 USPATFULL

ACCESSION NUMBER:

93:33359 USPATFULL

TITLE:

Electrophotographic light-sensitive material

INVENTOR(S):

Kato, Eiichi, Shizuoka, Japan

PATENT ASSIGNEE(S):

Fuji Photo Film Co., Ltd., Kanagawa, Japan (non-U.S. corporation)

PATENT INFORMATION:

US 5206104

19930427

APPLICATION INFO.:

US 1991-655608

19910215 (7)

PRIORITY INFORMATION:

JP 1990-33955

19900216

JP 1990-118532

19900510

DOCUMENT TYPE:

Utility

FILE SEGMENT:

Granted

PRIMARY EXAMINER:

McCamish, Marion E.

ASSISTANT EXAMINER:

Ashton, Rosemary

LEGAL REPRESENTATIVE:

Sughrue, Mion, Zinn, Macpeak & Seas

NUMBER OF CLAIMS:

6

EXEMPLARY CLAIM:

1

LINE COUNT:

2919

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 137991-46-9DP, carboxyterminated

(prepn. of, as binder resin for electrophotog. photoreceptor)

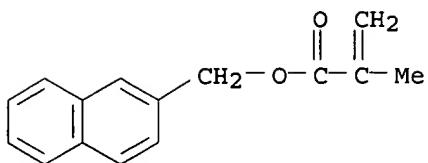
RN 137991-46-9 USPATFULL

CN 2-Propenoic acid, 2-methyl-, 2-chlorophenyl ester, polymer with 2-naphthalenylmethyl 2-methyl-2-propenoate, graft (9CI) (CA INDEX NAME)

CM 1

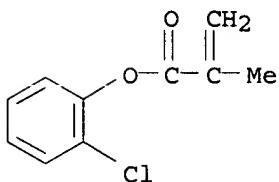
CRN 68579-95-3

CMF C15 H14 O2



CM 2

CRN 18967-23-2
CMF C10 H9 Cl O2



L24 ANSWER 12 OF 33 USPATFULL
ACCESSION NUMBER: 93:3463 USPATFULL
TITLE: Electrophotographic light-sensitive material
INVENTOR(S): Kato, Eiichi, Shizuoka, Japan
Ishii, Kazuo, Shizuoka, Japan
PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Kanagawa, Japan (non-U.S.
corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5178982		19930112
APPLICATION INFO.:	US 1990-570653		19900821 (7)
DISCLAIMER DATE:	20080604		

	NUMBER	DATE
PRIORITY INFORMATION:	JP 1989-212993	19890821
	JP 1989-212995	19890821
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	McCamish, Marion E.	
ASSISTANT EXAMINER:	Chapman, Mark A.	
LEGAL REPRESENTATIVE:	Sughrue, Mion, Zinn, Macpeak & Seas	
NUMBER OF CLAIMS:	9	
EXEMPLARY CLAIM:	1	
LINE COUNT:	2567	

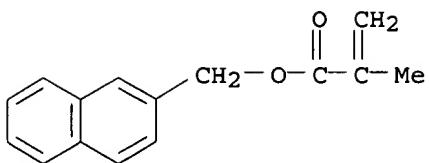
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 137991-46-9DP, alkane sulfonic acid-terminated
(prepn. and use of, as binder resin for electrophotog. photoreceptor)
RN 137991-46-9 USPATFULL
CN 2-Propenoic acid, 2-methyl-, 2-chlorophenyl ester, polymer with
2-naphthalenylmethyl 2-methyl-2-propenoate, graft (9CI) (CA INDEX NAME)

CM 1

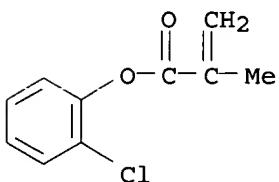
CRN 68579-95-3

CMF C15 H14 O2



CM 2

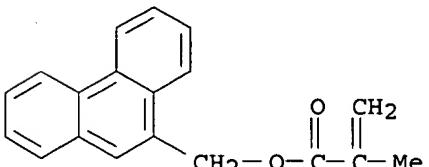
CRN 18967-23-2
CMF C10 H9 Cl O2



L24 ANSWER 13 OF 33 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 11
ACCESSION NUMBER: 1993:125407 CAPLUS
DOCUMENT NUMBER: 118:125407
TITLE: Kinetic analysis of triplet energy migration in poly[(2-naphthylalkyl methacrylate)-co-(methyl methacrylates)] and poly[(9-phenanthrylmethyl methacrylate)-co-(methyl methacrylate)] solid films
AUTHOR(S): Katayama, Hideaki; Tawa, Tsutomu; Haggquist, Gregory W.; Ito, Shinzaburo; Yamamoto, Masahide
CORPORATE SOURCE: Fac. Eng., Kyoto Univ., Kyoto, 606, Japan
SOURCE: Macromolecules (1993), 26(6), 1265-9
CODEN: MAMOBX; ISSN: 0024-9297
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 81565-44-8, Methyl methacrylate-9-phenanthrylmethyl methacrylate copolymer
RL: PRP (Properties)
(triplet energy migration in solid films of, kinetic anal. of)
RN 81565-44-8 CAPLUS
CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with 9-phenanthrenylmethyl 2-methyl-2-propenoate (9CI) (CA INDEX 'NAME')

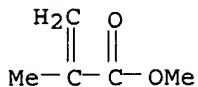
CM 1

CRN 53223-82-8
CMF C19 H16 O2



CM 2

CRN 80-62-6
CMF C5 H8 O2

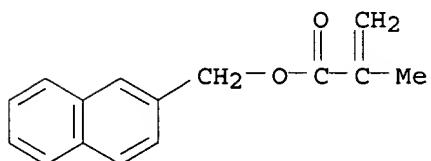


L24 ANSWER 14 OF 33 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 12
ACCESSION NUMBER: 1992:661589 CAPLUS
DOCUMENT NUMBER: 117:261589
TITLE: Electrophotographic lithographic master plates
INVENTOR(S): Kato, Eiichi; Osawa, Sadao
PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 31 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 04014052	A2	19920120	JP 1990-117897	19900508
PRIORITY APPLN. INFO.:			JP 1990-117897	19900508
IT 144278-73-9				
RL: USES (Uses)				
(binder resin contg., for electrophotog. lithog. masters)				
RN 144278-73-9	CAPLUS			
CN 2-Propenoic acid, 2-methyl-, polymer with butyl 2-methyl-2-propenoate and				
2-naphthalenylmethyl 2-methyl-2-propenoate, graft (9CI) (CA INDEX NAME)				

CM 1

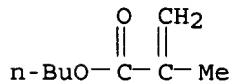
CRN 68579-95-3
CMF C15 H14 O2



✓

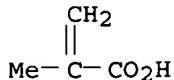
CM 2

CRN 97-88-1
CMF C8 H14 O2



CM 3

CRN 79-41-4
CMF C4 H6 O2



✓

L24 ANSWER 15 OF 33 USPATFULL
ACCESSION NUMBER: 92:42636 USPATFULL
TITLE: Electrophotographic light-sensitive material
INVENTOR(S): Kato, Eiichi, Shizuoka, Japan
PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Kanagawa, Japan (non-U.S.
corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5116710		19920526
APPLICATION INFO.:	US 1990-582320		19900914 (7)

	NUMBER	DATE
PRIORITY INFORMATION:	JP 1989-237319	19890914
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Martin, Roland	
LEGAL REPRESENTATIVE:	Sughrue, Mion, Zinn Macpeak & Seas	
NUMBER OF CLAIMS:	11	
EXEMPLARY CLAIM:	1	
LINE COUNT:	2077	

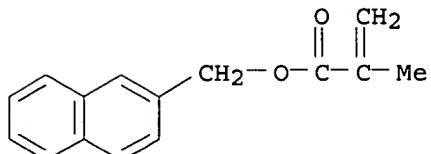
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 137991-46-9D, sulfonic acid terminated
(binder resin, for electrophotog. photoreceptor)

RN 137991-46-9 USPATFULL
CN 2-Propenoic acid, 2-methyl-, 2-chlorophenyl ester, polymer with
2-naphthalenylmethyl 2-methyl-2-propenoate, graft (9CI) (CA INDEX NAME)

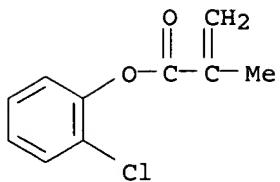
CM 1

CRN 68579-95-3
CMF C15 H14 O2



CM 2

CRN 18967-23-2
CMF C10 H9 Cl O2



L24 ANSWER 16 OF 33 USPATFULL

ACCESSION NUMBER:

92:36086 USPATFULL

TITLE:

Binder for electrophotographic light-sensitive material containing recurring ester units

INVENTOR(S):

Kato, Eiichi, Haibara, Japan

Ishii, Kazuo, Haibara, Japan

PATENT ASSIGNEE(S):

Fuji Photo Film Co., Ltd., Kanagawa, Japan (non-U.S. corporation)

NUMBER	KIND	DATE
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PATENT INFORMATION:

US 5110701 19920505

APPLICATION INFO.:

US 1990-521956 19900511 (7)

NUMBER	DATE
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PRIORITY INFORMATION:

JP 1989-117536 19890512

JP 1989-124550 19890519

DOCUMENT TYPE:

Utility

FILE SEGMENT:

Granted

PRIMARY EXAMINER:

Goodrow, John

LEGAL REPRESENTATIVE:

Sughrue, Mion, Zinn, Macpeak & Seas

NUMBER OF CLAIMS:

8

EXEMPLARY CLAIM:

1

LINE COUNT:

2511

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 136974-45-3

(electrophotog. photoreceptor binder resin contg.)

RN 136974-45-3 USPATFULL

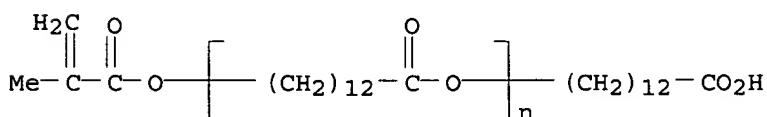
CN 2-Propenoic acid, 2-methyl-, 2-naphthalenylmethyl ester, polymer with .alpha.-(12-carboxydodecyl)-.omega.-[(2-methyl-1-oxo-2-propenyl)oxy]poly[oxy(1-oxo-1,13-tridecanediyl)] (9CI) (CA INDEX NAME)

CM 1

CRN 136974-44-2

CMF (C13 H24 O2)n C17 H30 O4

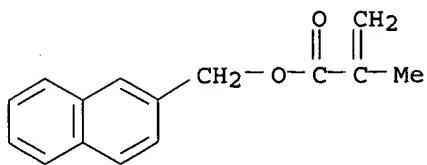
CCI PMS



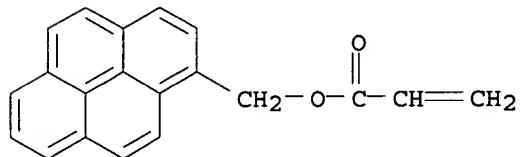
CM 2

CRN 68579-95-3

CMF C15 H14 O2



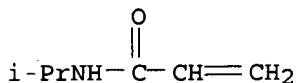
L24 ANSWER 17 OF 33 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 13
 ACCESSION NUMBER: 1992:512475 CAPLUS
 DOCUMENT NUMBER: 117:112475
 TITLE: Use of nonradiative energy transfer to explore
 interpolymer and polymer-solute interactions in
 aqueous solutions of poly(N-isopropylacrylamide)
 Schild, Howard G.; Tirrell, David A.
 Polym. Sci. Eng. Dep., Univ. Massachusetts, Amherst,
 MA, 01003, USA
 SOURCE: Macromolecules (1992), 25(18), 4553-8
 CODEN: MAMOBX; ISSN: 0024-9297
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 IT 142723-27-1P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (prepn. and interpolymer and polymer-solute interactions of aq.,
 nonradiative energy transfer in relation to)
 RN 142723-27-1 CAPLUS
 CN 2-Propenoic acid, 1-pyrenylmethyl ester, polymer with N-(1-methylethyl)-2-
 propenamide (9CI) (CA INDEX NAME)
 CM 1
 CRN 98845-55-7
 CMF C20 H14 O2



Polymer/ mixture

CM 2

CRN 2210-25-5
 CMF C6 H11 N O



L24 ANSWER 18 OF 33 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 14
 ACCESSION NUMBER: 1992:500929 CAPLUS
 DOCUMENT NUMBER: 117:100929
 TITLE: Electrophotographic photoreceptor with improved
 electrostatic and moisture resistant properties
 INVENTOR(S): Kato, Eiichi
 PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 39 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 03238463	A2	19911024	JP 1990-33955	19900216
US 5206104	A	19930427	US 1991-655608	19910215
PRIORITY APPLN. INFO.:			JP 1990-33955	19900216
			JP 1990-118532	19900510

IT 137991-46-9DP, carboxyterminated

RL: TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)

(prepn. of, as binder resin for electrophotog. photoreceptor)

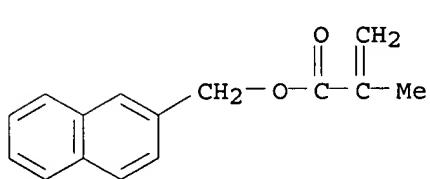
RN 137991-46-9 CAPLUS

CN 2-Propenoic acid, 2-methyl-, 2-chlorophenyl ester, polymer with 2-naphthalenylmethyl 2-methyl-2-propenoate, graft (9CI) (CA INDEX NAME)

CM 1

CRN 68579-95-3

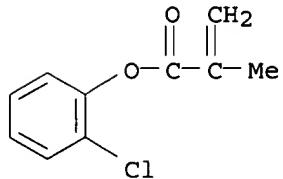
CMF C15 H14 O2



CM 2

CRN 18967-23-2

CMF C10 H9 Cl O2



L24 ANSWER 19 OF 33 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 15

ACCESSION NUMBER: 1992:224646 CAPLUS

DOCUMENT NUMBER: 116:224646

TITLE: Electrophotographic photoreceptor using vinyl-type binder resin

INVENTOR(S): Kato, Eiichi

PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 42 pp.

CODEN: JKXXAF

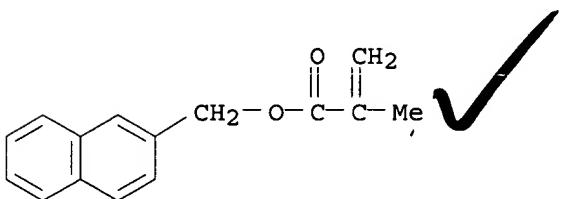
DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

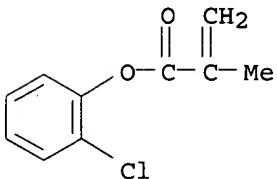
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 03100657	A2	19910425	JP 1989-237319	19890914
US 5116710	A	19920526	US 1990-582320	19900914
PRIORITY APPLN. INFO.:			JP 1989-237319	19890914
IT 137991-46-9D	sulfonic acid terminated			
RL: USES (Uses)	(binder resin, for electrophotog. photoreceptor)			
RN 137991-46-9	CAPLUS			
CN 2-Propenoic acid, 2-methyl-, 2-chlorophenyl ester, polymer with 2-naphthalenylmethyl 2-methyl-2-propenoate, graft (9CI) (CA INDEX NAME)				
CM 1				
CRN 68579-95-3				
CMF C15 H14 O2				



CM 2

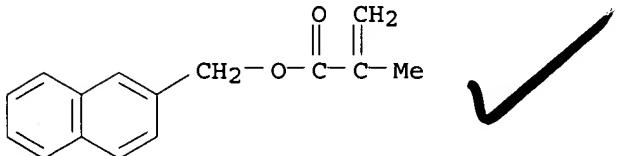
CRN 18967-23-2
CMF C10 H9 Cl O2



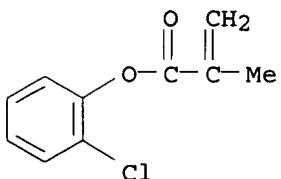
L24 ANSWER 20 OF 33 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 16
 ACCESSION NUMBER: 1992:417230 CAPLUS
 DOCUMENT NUMBER: 117:17230
 TITLE: Electrophotographic photoreceptors
 INVENTOR(S): Kato, Eiichi; Ishii, Kazuo
 PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 41 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 03077955	A2	19910403	JP 1989-212995	19890821
US 5178982	A	19930112	US 1990-570653	19900821
PRIORITY APPLN. INFO.:			JP 1989-212993	19890821
			JP 1989-212995	19890821

IT 137991-46-9P
 RL: TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
 (prepn. of, as binder resin, for electrophotog. photoconductor)
 RN 137991-46-9 CAPLUS
 CN 2-Propenoic acid, 2-methyl-, 2-chlorophenyl ester, polymer with
 2-naphthalenylmethyl 2-methyl-2-propenoate, graft (9CI) (CA INDEX NAME)
 CM 1
 CRN 68579-95-3
 CMF C15 H14 O2



CM 2
 CRN 18967-23-2
 CMF C10 H9 Cl O2



L24 ANSWER 21 OF 33 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 17
 ACCESSION NUMBER: 1992:162468 CAPLUS
 DOCUMENT NUMBER: 116:162468
 TITLE: Electrophotographic photoreceptor for offset printing plates
 INVENTOR(S): Kato, Eiichi; Ishii, Kazuo
 PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 44 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

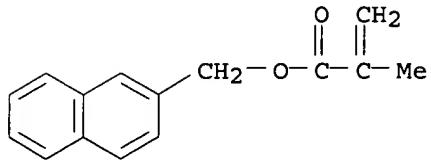
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 03077953	A2	19910403	JP 1989-212993	19890821
US 5178982	A	19930112	US 1990-570653	19900821
PRIORITY APPLN. INFO.:			JP 1989-212993	19890821
			JP 1989-212995	19890821

IT 137991-46-9DP, alkane sulfonic acid-terminated
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (prepn. and use of, as binder resin for electrophotog. photoreceptor)
 RN 137991-46-9 CAPLUS
 CN 2-Propenoic acid, 2-methyl-, 2-chlorophenyl ester, polymer with

2-naphthalenylmethyl 2-methyl-2-propenoate, graft (9CI) (CA INDEX NAME)

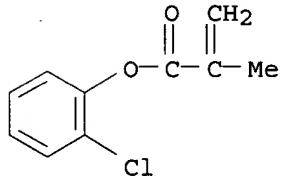
CM 1

CRN 68579-95-3
CMF C15 H14 O2



CM 2

CRN 18967-23-2
CMF C10 H9 Cl O2



L24 ANSWER 22 OF 33 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 18
ACCESSION NUMBER: 1992:31314 CAPLUS
DOCUMENT NUMBER: 116:31314
TITLE: Electrophotographic photoreceptor with superior electrostatic properties and good moisture resistance and durability
INVENTOR(S): Kato, Eiichi; Ishii, Kazuo
PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 41 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 03042666	A2	19910222	JP 1989-177340	19890710
PRIORITY APPLN. INFO.:			JP 1989-177340	19890710

IT 137991-46-9P

RL: PREP (Preparation)

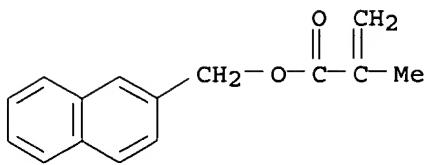
(prepn. of, binder resin for electrophotog. photoreceptor using)

RN 137991-46-9 CAPLUS

CN 2-Propenoic acid, 2-methyl-, 2-chlorophenyl ester, polymer with 2-naphthalenylmethyl 2-methyl-2-propenoate, graft (9CI) (CA INDEX NAME)

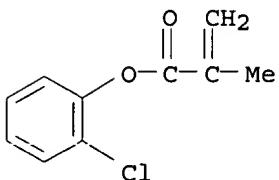
CM 1

CRN 68579-95-3
CMF C15 H14 O2



CM 2

CRN 18967-23-2
CMF C10 H9 Cl O2



L24 ANSWER 23 OF 33 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 19
 ACCESSION NUMBER: 1991:666756 CAPLUS
 DOCUMENT NUMBER: 115:266756
 TITLE: Electrophotographic photoreceptor with improved moisture resistance and durability
 INVENTOR(S): Kato, Eiichi; Ishii, Kazuo
 PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 36 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 02297558	A2	19901210	JP 1989-117536	19890512
US 5110701	A	19920505	US 1990-521956	19900511
PRIORITY APPLN. INFO.:			JP 1989-117536	19890512
			JP 1989-124550	19890519

OTHER SOURCE(S): MARPAT 115:266756

IT 136974-45-3

RL: USES (Uses)

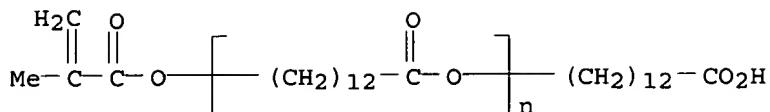
(electrophotog. photoreceptor binder resin contg.)

RN 136974-45-3 CAPLUS

CN 2-Propenoic acid, 2-methyl-, 2-naphthalenylmethyl ester, polymer with .alpha.-[(2-carboxydodecyl)-.omega.-[(2-methyl-1-oxo-2-propenyl)oxy]poly[oxy(1-oxo-1,13-tridecanediyl)] (9CI) (CA INDEX NAME)

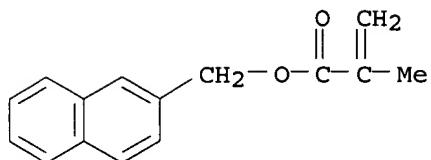
CM 1

CRN 136974-44-2
CMF (C13 H24 O2)n C17 H30 O4
CCI PMS



CM 2

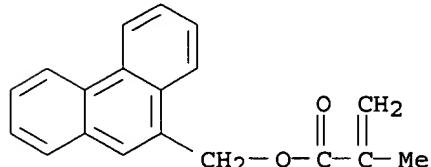
CRN 68579-95-3
CMF C15 H14 O2



L24 ANSWER 24 OF 33 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 20
 ACCESSION NUMBER: 1989:213830 CAPLUS
 DOCUMENT NUMBER: 110:213830
 TITLE: Trap-site formation and trap-controlled triplet energy migration in phenanthrene copolymer films
 AUTHOR(S): Ito, Shinzaburo; Numata, Norio; Katayama, Hideaki; Yamamoto, Masahide
 CORPORATE SOURCE: Fac. Eng., Kyoto Univ., Kyoto, 606, Japan
 SOURCE: Macromolecules (1989), 22(5), 2207-13
 CODEN: MAMOBX; ISSN: 0024-9297
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 IT 81565-44-8, Methyl methacrylate-9-phenanthrylmethyl methacrylate copolymer
 RL: PRP (Properties)
 (trap-site formation and trap-controlled triplet energy migration in)
 RN 81565-44-8 CAPLUS
 CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with 9-phenanthrenylmethyl 2-methyl-2-propenoate (9CI) (CA INDEX NAME)

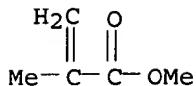
CM 1

CRN 53223-82-8
CMF C19 H16 O2

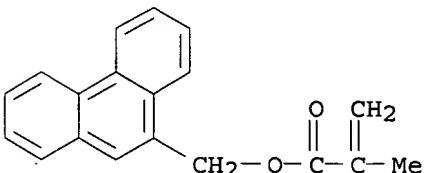


CM 2

CRN 80-62-6
CMF C5 H8 O2



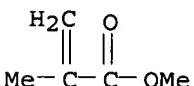
L24 ANSWER 25 OF 33 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 21
 ACCESSION NUMBER: 1990:207643 CAPLUS
 DOCUMENT NUMBER: 112:207643
 TITLE: Solvent concentration profile of poly(methyl methacrylate) dissolving in methyl ethyl ketone. A fluorescence-quenching study
 AUTHOR(S): Limm, William; Winnik, Mitchell A.; Smith, Barton A.; Stanton, Deirdre T.
 CORPORATE SOURCE: Edgewood Arsenal, U. S. Army CRDEC, Aberdeen Proving Ground, MD, 21010-5423, USA
 SOURCE: ACS Symposium Series (1989), 412 (Polym. Microlithogr.), 385-99
 DOCUMENT TYPE: CODEN: ACSMC8; ISSN: 0097-6156
 LANGUAGE: Journal English
 JT 81565-44-8
 RL: USES (Uses)
 (fluorescence-quenching study of dissoln. of photoresist of, in Me Et ketone)
 RN 81565-44-8 CAPLUS
 CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with 9-phenanthrenylmethyl 2-methyl-2-propenoate (9CI) (CA INDEX NAME)
 CM 1
 CRN 53223-82-8
 CMF C19 H16 O2



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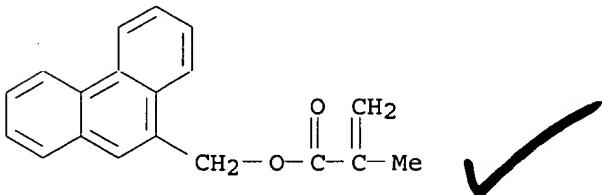
CM 2

CRN 80-62-6
 CMF C5 H8 O2



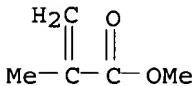
L24 ANSWER 26 OF 33 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 22
 ACCESSION NUMBER: 1988:455808 CAPLUS
 DOCUMENT NUMBER: 109:55808
 TITLE: Solvent penetration and photoresist dissolution: a fluorescence quenching and interferometry study
 AUTHOR(S): Limm, William; Stanton, Deirdre; Dimnik, Gerald P.; Winnik, Mitchell A.; Smith, Barton A.
 CORPORATE SOURCE: Dep. Chem., Univ. Toronto, Toronto, ON, M5S 1A1, Can.

SOURCE: Journal of Applied Polymer Science (1988), 35(8),
 2099-116
 CODEN: JAPNAB; ISSN: 0021-8995
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 IT 81565-44-8
 RL: USES (Uses)
 (solvent penetration and photoresist dissoln. of, fluorescence
 quenching and interferometric studies on)
 RN 81565-44-8 CAPLUS
 CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with
 9-phenanthrenylmethyl 2-methyl-2-propenoate (9CI) (CA INDEX NAME)
 CM 1
 CRN 53223-82-8
 CMF C19 H16 O2

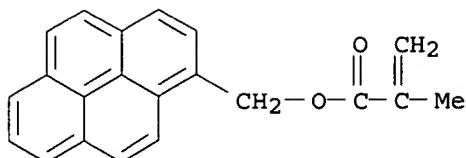


CM 2

CRN 80-62-6
 CMF C5 H8 O2



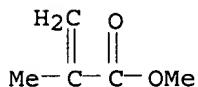
L24 ANSWER 27 OF 33 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 23
 ACCESSION NUMBER: 1986:89289 CAPLUS
 DOCUMENT NUMBER: 104:89289
 TITLE: Picosecond excimer fluorescence spectroscopy:
 applications to local motions of polymers and
 polymerization monitoring
 AUTHOR(S): Wang, F. W.; Lowry, R. E.; Cavanagh, R. R.
 CORPORATE SOURCE: Polym. Div., Natl. Bur. Stand., Gaithersburg, MD,
 20899, USA
 SOURCE: Polymer (1985), 26(11), 1657-61
 CODEN: POLMAG; ISSN: 0032-3861
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 IT 90216-53-8
 RL: PRP (Properties)
 (local motions in, picosecond excimer fluorometry in relation to)
 RN 90216-53-8 CAPLUS
 CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with 1-pyrenylmethyl
 2-methyl-2-propenoate (9CI) (CA INDEX NAME)
 CM 1
 CRN 86112-79-0
 CMF C21 H16 O2



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CM 2

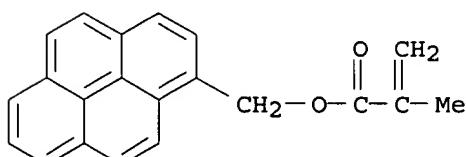
CRN 80-62-6
CMF C5 H8 O2



L24 ANSWER 28 OF 33 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 24
 ACCESSION NUMBER: 1985:561152 CAPLUS
 DOCUMENT NUMBER: 103:161152
 TITLE: Excimer fluorescence technique for study of polymer-segment mobility: applications to pyrene-labelled poly(methyl methacrylate) and poly(methyl acrylate) in solution
 AUTHOR(S): Wang, Francis W.; Lowry, Robert E.
 CORPORATE SOURCE: Polym. Div., Natl. Bur. Stand., Gaithersburg, MD, 20899, USA
 SOURCE: Polymer (1985), 26(7), 1046-52
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 IT 90216-53-8
 RL: PRP (Properties)
 (polymer-segment mobility of, in soln., excimer fluorescence technique study of)
 RN 90216-53-8 CAPLUS
 CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with 1-pyrenylmethyl 2-methyl-2-propenoate (9CI) (CA INDEX NAME)

CM 1

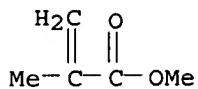
CRN 86112-79-0
CMF C21 H16 O2



~~X~~

CM 2

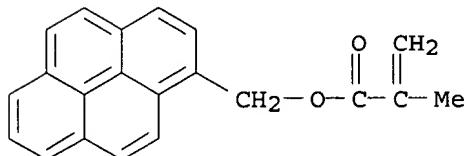
CRN 80-62-6
CMF C5 H8 O2



L24 ANSWER 29 OF 33 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 25
 ACCESSION NUMBER: 1984:473166 CAPLUS
 DOCUMENT NUMBER: 101:73166
 TITLE: Novel excimer fluorescence method for monitoring polymerization. 1. Polymerizaton of methyl methacrylate
 AUTHOR(S): Wang, Francis W.; Lowry, Robert E.; Grant, Warren H.
 CORPORATE SOURCE: Polym. Sci. Stand. Div., Natl. Bur. Stand., Washington, DC, 20234, USA
 SOURCE: Polymer (1984), 25(5), 690-2
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 IT 90216-53-8
 RL: PRP (Properties)
 (excimer fluorescence of, with PMMA, as polymn. monitoring system)
 RN 90216-53-8 CAPLUS
 CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with 1-pyrenylmethyl 2-methyl-2-propenoate (9CI) (CA INDEX NAME)

CM 1

CRN 86112-79-0
 CMF C21 H16 O2



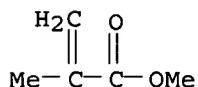
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Pyrenyl

CM 2

CRN 80-62-6
 CMF C5 H8 O2

Polymer.



L24 ANSWER 30 OF 33 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 26
 ACCESSION NUMBER: 1984:471995 CAPLUS
 DOCUMENT NUMBER: 101:71995
 TITLE: Polymer bonded electron transfer sensitizers
 AUTHOR(S): Tazuke, S.; Takasaki, R.; Iwaya, Y.; Suzuki, Y.
 CORPORATE SOURCE: Res. Lab. Resour. Util., Tokyo Inst. Technol., Yokohama, 227, Japan
 SOURCE: Polymer Preprints (American Chemical Society, Division of Polymer Chemistry) (1984), 25(1), 300-1

CODEN: ACPPAY; ISSN: 0032-3934

DOCUMENT TYPE:

Journal

LANGUAGE:

English

IT 91227-45-1

RL: PRP (Properties)

(as electron-transfer sensitizers)

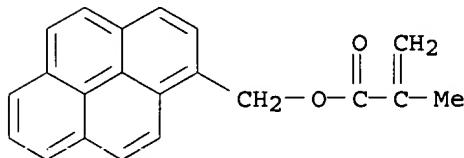
RN 91227-45-1 CAPLUS

CN 2-Propenoic acid, 2-methyl-, 1-pyrenylmethyl ester, polymer with sodium
ethenylbenzenesulfonate (9CI) (CA INDEX NAME)

CM 1

CRN 86112-79-0

CMF C21 H16 O2



CM 2

CRN 27457-28-9

CMF C8 H8 O3 S . Na

CCI IDS



D1-CH=CH₂

D1-SO₃H

● Na

L24 ANSWER 31 OF 33 CAPLUS COPYRIGHT 2003 ACS

DUPLICATE 27

ACCESSION NUMBER: 1983:506070 CAPLUS

DOCUMENT NUMBER: 99:106070

TITLE: Fluorescence study of polymer chain interpenetration
and of the rate of phase separation in incompatible
polymer blends

AUTHOR(S): Morawetz, H.

CORPORATE SOURCE: Polym. Res. Inst., Polytech. Inst. New York, Brooklyn,
NY, 11201, USA

SOURCE: Polymer Engineering and Science (1983), 23(12), 689-92
CODEN: PYESAZ; ISSN: 0032-3888

DOCUMENT TYPE: Journal

LANGUAGE: English

IT 86637-30-1

RL: PRP (Properties)

(interdiffusion of, in anthracene-labeled poly(Me methacrylate), detn. of, by fluorescence spectroscopy)

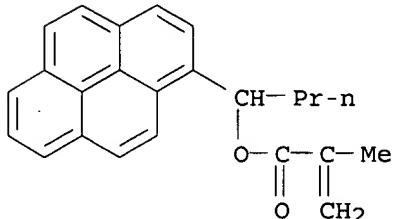
RN 86637-30-1 CAPLUS

CN 2-Propenoic acid, 2-methyl-, ethyl ester, polymer with 1-(1-pyrenyl)butyl 2-methyl-2-propenoate (9CI) (CA INDEX NAME)

CM 1

CRN 86637-29-8

CMF C24 H22 O2

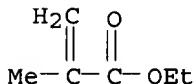


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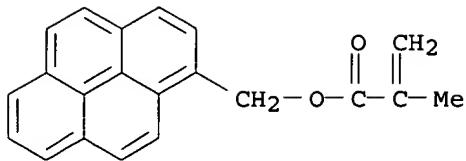
CM 2

CRN 97-63-2

CMF C6 H10 O2

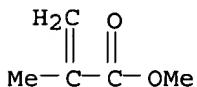


L24 ANSWER 32 OF 33 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 28
ACCESSION NUMBER: 1984:210538 CAPLUS
DOCUMENT NUMBER: 100:210538
TITLE: In-situ monitoring of polymerization reactions by excimer fluorescence technique
AUTHOR(S): Wang, Francis W.; Lowry, Robert E.; Grant, Warren H.
CORPORATE SOURCE: Polym. Sci. Stand. Div., Natl. Bur. Stand., Washington, DC, 20234, USA
SOURCE: Polymeric Materials Science and Engineering (1983), 49, 138-42
DOCUMENT TYPE: CODEN: PMSEDG; ISSN: 0743-0515
LANGUAGE: Journal
IT 90216-53-8 English
RL: USES (Uses)
(fluorescence of excimers of, in in situ monitoring of Me methacrylate polymn.)
RN 90216-53-8 CAPLUS
CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with 1-pyrenylmethyl 2-methyl-2-propenoate (9CI) (CA INDEX NAME)
CM 1
CRN 86112-79-0
CMF C21 H16 O2



CM 2

CRN 80-62-6
CMF C5 H8 O2

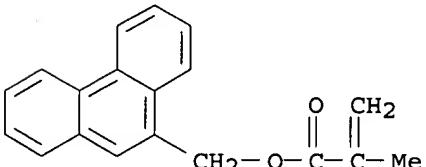


L24 ANSWER 33 OF 33 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 29
 ACCESSION NUMBER: 1982:407066 CAPLUS
 DOCUMENT NUMBER: 97:7066
 TITLE: Studies of the antenna effect in polymer molecules.
 3. Singlet electronic energy transfer in
 poly[(9-phenanthryl)methyl methacrylate] and its
 copolymers

AUTHOR(S): Ng, Dominic; Guillet, James E.
 CORPORATE SOURCE: Dep. Chem., Univ. Toronto, Toronto, ON, M5S 1A1, Can.
 SOURCE: Macromolecules (1982), 15(3), 724-7
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 IT 81565-44-8
 RL: PRP (Properties)
 (fluorescence of)
 RN 81565-44-8 CAPLUS
 CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with
 9-phenanthrenylmethyl 2-methyl-2-propenoate (9CI) (CA INDEX NAME)

CM 1

CRN 53223-82-8
CMF C19 H16 O2



CM 2

CRN 80-62-6
CMF C5 H8 O2

